

# ACT Profile Report - State

Graduating Class 2012  
Delaware



\* 0 7 0 0 4 2 1 1 0 \*

ACT, INC. -- CONFIDENTIAL



## Table of Contents

<b>Section I: Executive Summary</b>	<b>Page 5</b>
Percent of Your Students Ready for College-Level Coursework	
Five Year Trends—Percent of Students Meeting College Readiness Benchmarks	
Five Year Trends—Average ACT Scores	
Five Year Trends—Average ACT Scores by Level of Preparation	
Five Year Trends—Percent and Average Composite Score by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
<b>Section II: Academic Achievement</b>	<b>Page 11</b>
ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values	
Average ACT Composite Scores for Race/Ethnicity by Level of Preparation	
Average ACT Scores by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT Scores by Gender	
Percent of Students Meeting College Readiness Benchmark Scores by Gender	
College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum	
College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum	
<b>Section III: College Readiness &amp; Impact of Course Rigor</b>	<b>Page 17</b>
Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity	
Average ACT Scores and Average ACT Score Changes by Common Course Patterns	
College Readiness Percents by Common Course Patterns	
<b>Section IV: Career and Educational Aspirations</b>	<b>Page 25</b>
Distribution of Planned Educational Majors for All Students by College Plans	
Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations	
Students' Score Report Preferences at Time of Testing	
<b>Section V: Optional Writing Test Results</b>	<b>Page 29</b>
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

This report provides information about the performance of your 2012 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2012 and tested under standard time conditions.

This report focuses on:

**Performance** - student test performance in the context of college readiness

**Access** - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

**College Readiness** - percent of students meeting ACT College Readiness Benchmark Scores in each content area

**Awareness** - extent to which student aspirations match performance

**Articulation** - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

**The ACT is a curriculum-based measure of college readiness. ACT components include:**

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

**The ACT:**

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at [www.act.org/standard/infoserv.html](http://www.act.org/standard/infoserv.html).

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to [www.act.org](http://www.act.org)

## How to Improve Scores and Increase College Readiness

34% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT:** 1,328 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

**MAKING CORE CURRICULUM A PRIORITY:** Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 78% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES:** Table 3.2 reports 3% of the cohort took less than three years of math courses. Of these students, 24% were college ready. 3% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 12% of these students were college ready. In comparison, 60% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 4% of the cohort took less than three years of natural science courses. 14% of these students were college ready. In comparison, 40% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES:** Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 35% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

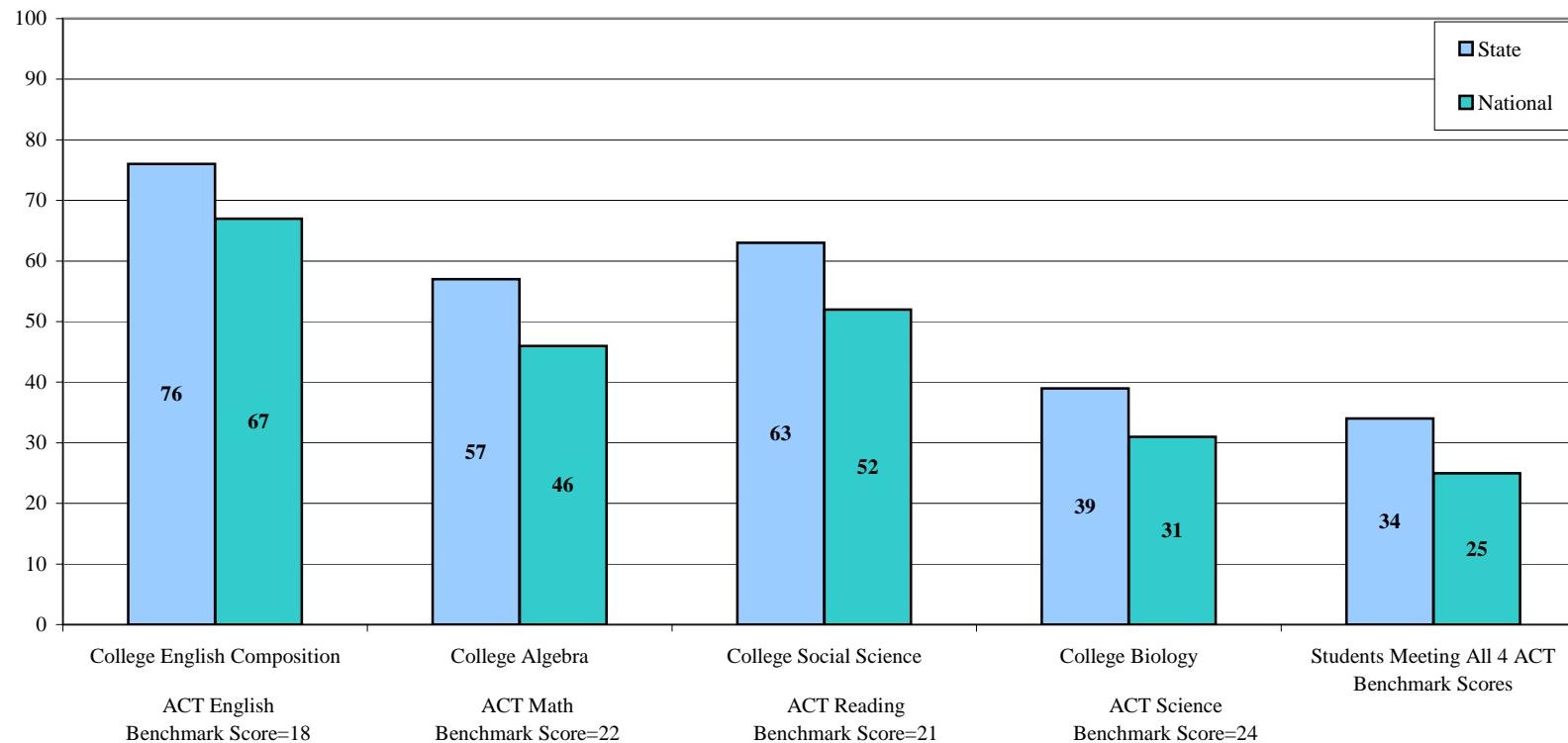
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS:** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 404-231-1952.

# Section I

# Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

**Figure 1.1. Percent of Your Students Ready for College-Level Coursework**

A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

**Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks**

Year	Number of Students Tested		English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2008	986	1,421,941	77	68	55	43	62	53	37	28	31	22
2009	1,060	1,480,469	77	67	55	42	64	53	37	28	31	23
2010	1,213	1,568,835	80	66	57	43	64	52	40	29	35	24
2011	1,481	1,623,112	74	66	57	45	60	52	39	30	34	25
<b>2012</b>	<b>1,328</b>	<b>1,666,017</b>	<b>76</b>	<b>67</b>	<b>57</b>	<b>46</b>	<b>63</b>	<b>52</b>	<b>39</b>	<b>31</b>	<b>34</b>	<b>25</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

Year	Number of Students Tested		English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2008	986	1,421,941	22.2	20.6	22.5	21.0	23.1	21.4	22.0	20.8	22.6	21.1
2009	1,060	1,480,469	22.2	20.6	22.5	21.0	23.1	21.4	22.0	20.9	22.6	21.1
2010	1,213	1,568,835	22.8	20.5	22.7	21.0	23.4	21.3	22.5	20.9	23.0	21.0
2011	1,481	1,623,112	22.0	20.6	22.4	21.1	22.7	21.3	22.0	20.9	22.4	21.1
<b>2012</b>	<b>1,328</b>	<b>1,666,017</b>	<b>22.3</b>	<b>20.5</b>	<b>22.4</b>	<b>21.1</b>	<b>23.0</b>	<b>21.3</b>	<b>22.1</b>	<b>20.9</b>	<b>22.6</b>	<b>21.1</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Year	Number of Students Tested		English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2008	1,421,941		20.6		21.0		21.4		20.8		21.1	
2009	1,480,469		20.6		21.0		21.4		20.9		21.1	
2010	1,568,835		20.5		21.0		21.3		20.9		21.0	
2011	1,623,112		20.6		21.1		21.3		20.9		21.1	
<b>2012</b>	<b>1,666,017</b>		<b>20.5</b>		<b>21.1</b>		<b>21.3</b>		<b>20.9</b>		<b>21.1</b>	

**Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation**

Year	Number of Students Tested		Percent <sup>2</sup>		English		Mathematics		Reading		Science		Composite	
	Core or More <sup>1</sup>	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2008	629	272	64	28	22.0	22.2	22.3	22.3	22.9	22.8	21.9	21.6	22.4	22.3
2009	852	199	80	19	22.3	21.8	22.6	22.0	23.1	23.0	22.1	21.6	22.7	22.2
2010	971	235	80	19	22.6	23.7	22.6	23.5	23.2	24.3	22.4	23.1	22.8	23.7
2011	1,172	288	79	19	22.1	21.7	22.5	22.2	22.8	22.2	22.1	21.7	22.5	22.1
<b>2012</b>	<b>1,030</b>	<b>272</b>	<b>78</b>	<b>20</b>	<b>22.4</b>	<b>22.2</b>	<b>22.5</b>	<b>22.3</b>	<b>23.1</b>	<b>22.8</b>	<b>22.3</b>	<b>21.7</b>	<b>22.7</b>	<b>22.4</b>

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

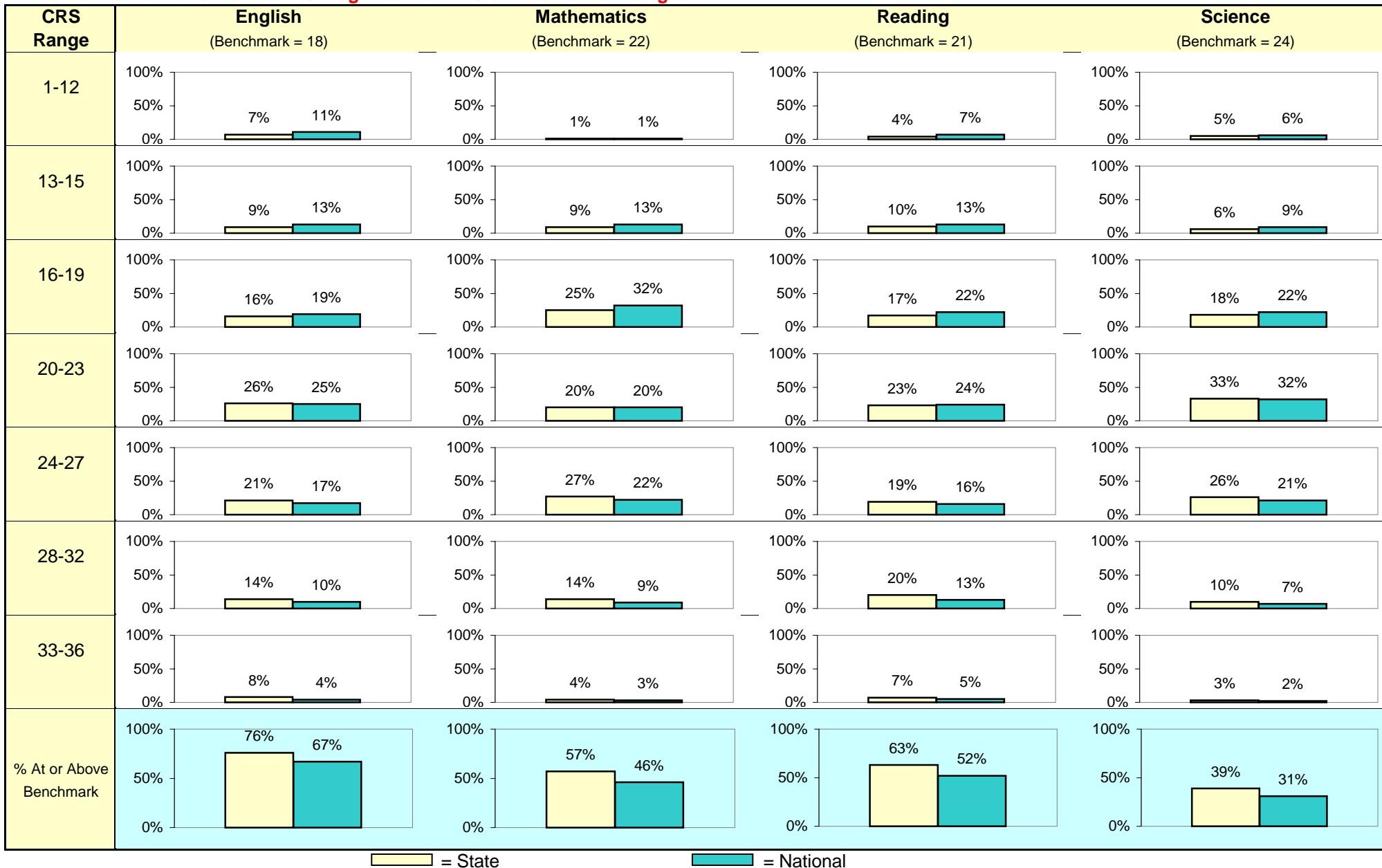
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity<sup>1</sup>**

	2008			2009			2010			2011			2012		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	986	100	22.6	1,060	100	22.6	1,213	100	23.0	1,481	100	22.4	1,328	100	22.6
Black/African American	128	13	18.2	170	16	18.5	193	16	18.3	252	17	17.3	227	17	17.7
American Indian/Alaska Native	2	0	29.0	4	0	19.3	4	0	19.5	4	0	20.3	5	0	22.4
White	654	66	23.0	733	69	23.3	836	69	23.9	972	66	23.5	876	66	23.6
Hispanic/Latino	30	3	21.4	20	2	21.9	40	3	22.7	59	4	21.0	46	3	21.1
Asian	49	5	24.8	36	3	26.4	55	5	26.6	62	4	27.2	65	5	25.9
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	7	0	20.1	1	0	26.0
Two or more races	19	2	21.6	27	3	23.1	30	2	22.5	58	4	22.1	43	3	21.7
Prefer not to respond/No response	104	11	24.8	70	7	22.8	55	5	23.4	67	5	22.8	65	5	23.2

<sup>1</sup>Refer to the section header on page 5 for a description of race/ethnicity changes.

**Table 1.6. Percent of Students in College Readiness Standards Score Ranges**



This page intentionally left blank.

# Section II

# Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 1,328

**Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages**

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	10	100	6	100	14	100	10	100	0	100	36
35	28	99	5	100	14	99	12	99	5	100	35
34	36	97	16	99	14	98	7	98	9	100	34
33	26	94	27	98	56	97	12	98	27	99	33
32	33	92	16	96	51	93	20	97	31	97	32
31	23	90	23	95	67	89	25	95	27	95	31
30	44	88	33	93	37	84	20	94	51	93	30
29	36	85	47	91	48	81	33	92	46	89	29
28	49	82	62	87	59	77	38	90	66	85	28
27	59	79	73	82	44	73	65	87	60	80	27
26	58	74	101	77	73	70	54	82	75	76	26
25	64	70	82	69	54	64	87	78	84	70	25
24	93	65	106	63	77	60	137	71	87	64	24
23	70	58	89	55	76	54	104	61	110	57	23
22	80	53	66	48	73	48	105	53	82	49	22
21	95	47	41	43	85	43	126	45	88	43	21
20	101	39	74	40	66	37	98	36	81	36	20
19	54	32	56	35	59	32	80	28	79	30	19
18	52	28	78	30	82	27	81	22	72	24	18
17	44	24	94	25	50	21	41	16	56	19	17
16	56	21	106	18	40	17	37	13	56	14	16
15	60	16	76	10	52	14	31	10	42	10	15
14	40	12	29	4	47	10	19	8	39	7	14
13	25	9	13	2	36	7	26	6	28	4	13
12	26	7	2	1	26	4	22	5	14	2	12
11	15	5	3	1	20	2	17	3	7	1	11
10	23	4	3	1	4	1	8	2	3	1	10
9	7	2	0	1	3	1	7	1	2	1	9
8	12	2	1	1	0	1	2	1	0	1	8
7	5	1	0	1	0	1	3	1	1	1	7
6	1	1	0	1	0	1	0	1	0	1	6
5	2	1	0	1	0	1	1	1	0	1	5
4	1	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	1	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	22.3 (6.5)		22.4 (5.4)		23.0 (6.3)		22.1 (5.2)		22.6 (5.3)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subtest Score Averages**

ACT Scale Score	English				Reading				Mathematics								ACT Scale Score	
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry					
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP		
18	89	100	30	100	47	100	66	100	79	100	20	100	27	100	18			
17	79	93	31	98	91	96	120	95	87	94	6	98	4	98	17			
16	106	87	108	95	94	90	118	86	75	88	45	98	69	98	16			
15	58	79	86	87	76	83	102	77	98	82	84	95	95	92	15			
14	99	75	133	81	110	77	106	69	123	74	152	88	134	85	14			
13	54	68	134	71	138	69	114	61	142	65	166	77	144	75	13			
12	121	63	135	61	144	58	112	53	131	55	143	64	162	64	12			
11	121	54	169	51	75	47	111	44	121	45	164	54	154	52	11			
10	151	45	103	38	122	42	98	36	111	36	171	41	157	41	10			
9	113	34	134	30	99	32	100	29	78	27	125	28	130	29	9			
8	100	25	83	20	96	25	104	21	109	21	114	19	89	19	8			
7	69	18	70	14	123	18	64	13	108	13	43	10	70	12	7			
6	65	13	42	8	43	9	58	9	41	5	36	7	44	7	6			
5	49	8	30	5	29	5	39	4	16	2	25	4	12	4	5			
4	22	4	23	3	27	3	10	1	6	1	10	3	21	3	4			
3	22	2	14	1	8	1	4	1	2	1	14	2	0	1	3			
2	8	1	3	1	2	1	2	1	0	1	0	1	14	1	2			
1	2	1	0	1	4	1	0	1	1	1	10	1	2	1	1			
Avg (SD)	11.3 (4.0)		11.4 (3.4)		11.5 (3.7)		12.0 (3.7)		11.9 (3.5)		11.1 (3.1)		11.2 (3.1)		Avg (SD)			

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	27	26	28	25	26
Q2 (50th Percentile)	22	23	23	22	23
Q1 (25th Percentile)	18	18	18	19	19

**Table 2.4. Average ACT Composite Scores for Race/Ethnicity<sup>1</sup> by Level of Preparation**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>2</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	1,328	78	22.7	22.4
	Black/African American	227	70	18.1	17.1
	American Indian/Alaska Native	5	80	21.8	25.0
	White	876	80	23.6	24.0
	Hispanic/Latino	46	74	21.6	20.8
	Asian	65	78	25.4	27.6
	Native Hawaiian/Other Pac. Isl.	1	100	26.0	.
	Two or more races	43	77	21.8	21.3
	Prefer not/No Response	65	72	23.3	22.6
National	All Students	1,666,017	76	21.8	19.1
	Black/African American	222,237	72	17.5	15.9
	American Indian/Alaska Native	13,523	66	19.3	16.9
	White	983,148	77	23.0	20.3
	Hispanic/Latino	234,456	73	19.5	17.4
	Asian	68,080	81	24.1	21.8
	Native Hawaiian/Other Pac. Isl.	4,545	74	20.4	18.3
	Two or more races	55,500	76	22.0	19.6
	Prefer not/No Response	84,528	68	22.5	19.2

<sup>1</sup>Refer to the section header on page 11 for a description of race/ethnicity changes.<sup>2</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.**Table 2.5. Average ACT Scores by Race/Ethnicity<sup>1</sup>**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	22.3	22.4	23.0	22.1	22.6
	Black/African American	16.6	18.1	18.2	17.7	17.7
	American Indian/Alaska Native	23.2	22.6	21.8	22.2	22.4
	White	23.6	23.2	24.2	23.1	23.6
	Hispanic/Latino	21.2	21.0	21.0	20.7	21.1
	Asian	25.0	26.9	25.8	25.2	25.9
	Native Hawaiian/Other Pac. Isl.	23.0	27.0	26.0	27.0	26.0
	Two or more races	21.1	21.5	22.0	21.7	21.7
	Prefer not/No Response	23.0	24.0	22.8	22.6	23.2
National	All Students	20.5	21.1	21.3	20.9	21.1
	Black/African American	16.0	17.3	17.2	17.2	17.0
	American Indian/Alaska Native	17.1	18.5	18.7	18.7	18.4
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.7	19.4	19.0	18.9	18.9
	Asian	22.7	25.2	22.9	23.2	23.6
	Native Hawaiian/Other Pac. Isl.	18.9	20.4	19.8	19.7	19.8
	Two or more races	21.0	21.1	21.8	21.2	21.4
	Prefer not/No Response	20.7	21.3	21.5	20.9	21.3

<sup>1</sup>Refer to the section header on page 11 for a description of race/ethnicity changes.

**Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges**

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	100	8	54	4	98	7	41	3
	28 to 32	185	14	181	14	262	20	136	10
	24 to 27	274	21	362	27	248	19	343	26
	20 to 23	346	26	270	20	300	23	433	33
	16 to 19	206	16	334	25	231	17	239	18
	13 to 15	125	9	118	9	135	10	76	6
	01 to 12	92	7	9	1	54	4	60	5
National	33 to 36	74,039	4	50,719	3	81,737	5	30,082	2
	28 to 32	167,405	10	149,540	9	223,134	13	123,485	7
	24 to 27	291,143	17	369,818	22	262,453	16	355,144	21
	20 to 23	414,094	25	332,787	20	399,794	24	532,341	32
	16 to 19	318,585	19	538,042	32	366,975	22	373,233	22
	13 to 15	210,405	13	216,778	13	220,083	13	158,083	9
	01 to 12	190,346	11	8,333	1	111,841	7	93,649	6

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	571	43	22.1	23.4	23.2	23.0	23.1
	Females	757	57	22.3	21.6	22.8	21.4	22.2
	Missing	0	0	.	.	.	.	.
National	Males	761,554	46	20.2	21.7	21.2	21.4	21.2
	Females	900,625	54	20.9	20.6	21.4	20.5	21.0
	Missing	3,838	0	16.1	17.8	17.6	17.8	17.5

**Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students					Meet All Four
		English	Mathematics	Reading	Science	All Four	
State	Males	76	64	64	46	39	
	Females	76	51	63	34	30	
National	Males	64	50	51	35	29	
	Females	69	42	53	27	22	

**Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
State	Core or More <sup>2</sup>	1,030	78	22.4	57	22.5	65	23.1	40	22.3	34	22.7
	Less than Core	272	71	22.2	57	22.3	59	22.8	39	21.7	35	22.4
	Missing <sup>3</sup>	26	46	18.5	27	19.6	38	19.7	19	19.4	19	19.5
National	Core or More	1,259,744	72	21.3	51	21.8	57	22.0	35	21.6	29	21.8
	Less than Core	355,849	51	18.3	29	19.1	38	19.4	19	19.1	14	19.1
	Missing	50,424	38	16.2	22	18.1	27	17.6	14	17.8	10	17.6

<sup>1</sup> "Curriculum Taken" reflects overall high school curriculum in this table.<sup>2</sup> "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.<sup>3</sup> Zero years or no coursework information reported in one or more content areas.<sup>4</sup> Composite CRB% results reflect students who meet all four subject-area benchmarks.**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics			Reading			Science			
			N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More <sup>2</sup>	1,291	77	22.3	1,266	58	22.6	1,091	64	22.9	1,255	40	22.3	
	Less than Core	15	60	21.8	38	24	17.7	215	63	23.5	49	14	18.0	
	Missing <sup>3</sup>	22	55	20.0	24	29	20.0	22	45	20.8	24	21	19.9	
National	Core or More	1,558,562	68	20.8	1,550,768	48	21.4	1,471,658	54	21.6	1,425,217	33	21.4	
	Less than Core	64,748	41	16.5	69,741	8	16.6	149,266	40	19.7	194,661	13	18.4	
	Missing	42,707	40	16.5	45,508	22	18.2	45,093	29	17.8	46,139	14	17.9	

<sup>1</sup> "Curriculum Taken" reflects content-specific curriculum in this table.<sup>2</sup> "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

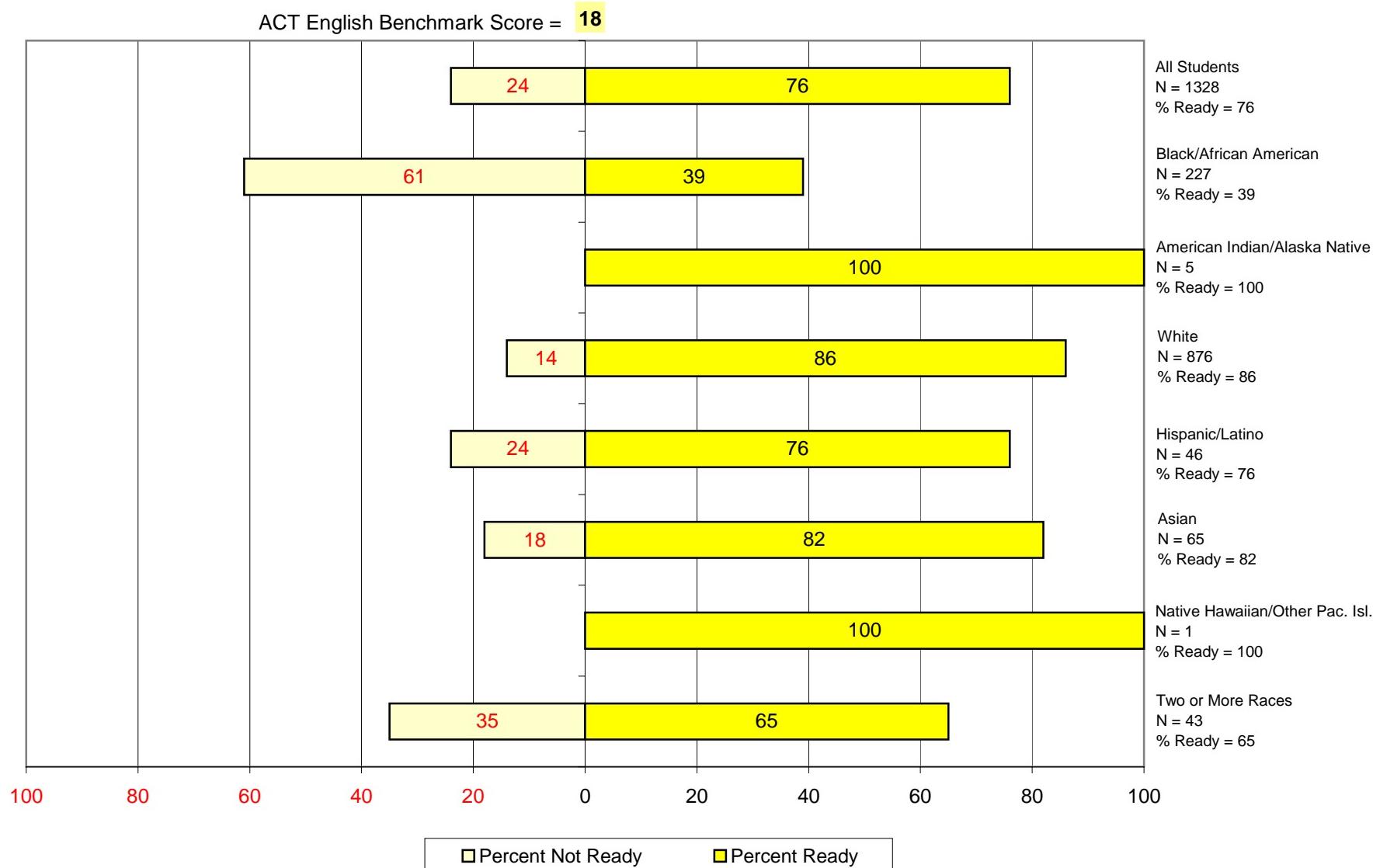
For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

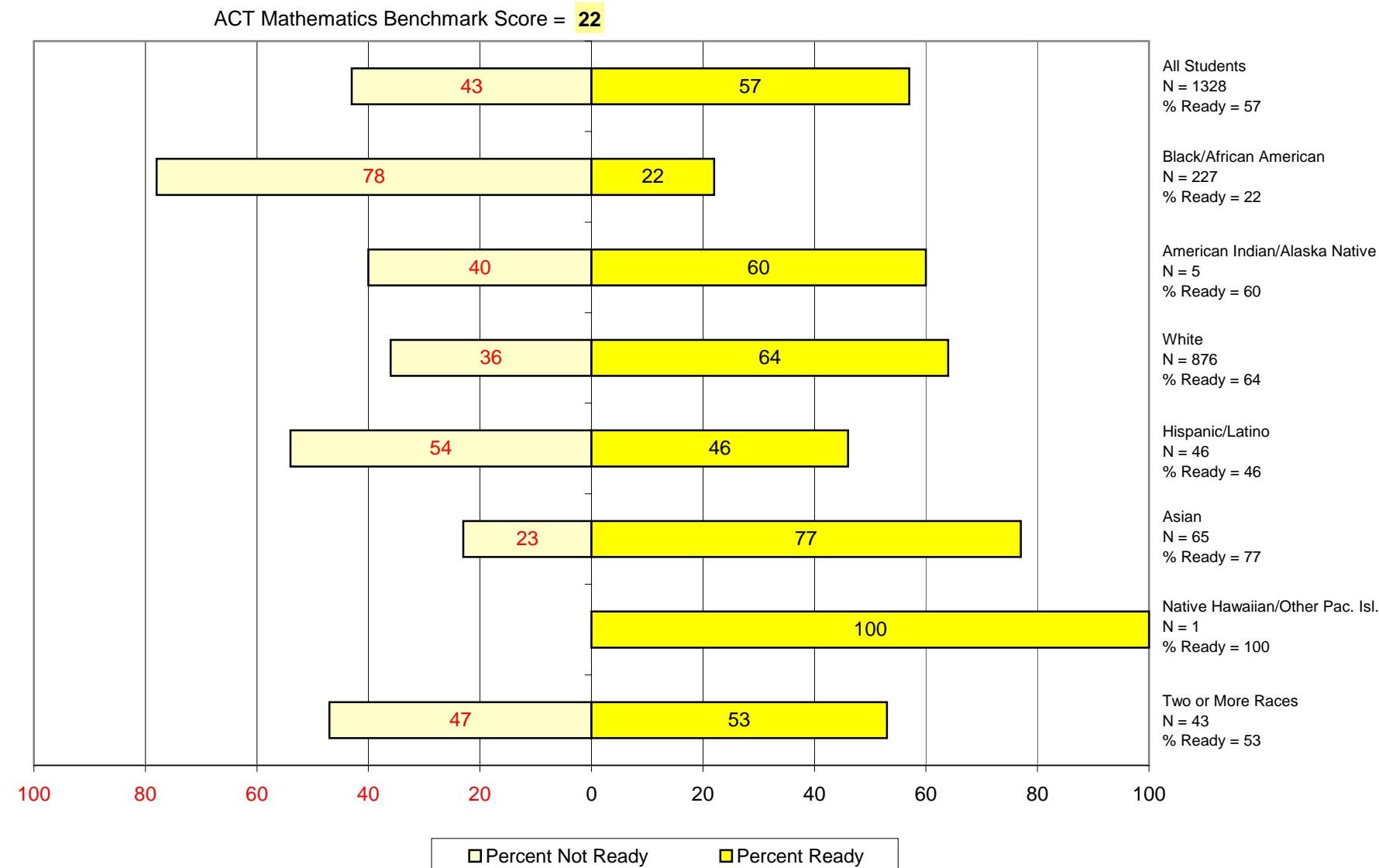
<sup>3</sup> Zero years or no coursework information reported in the specified content area.

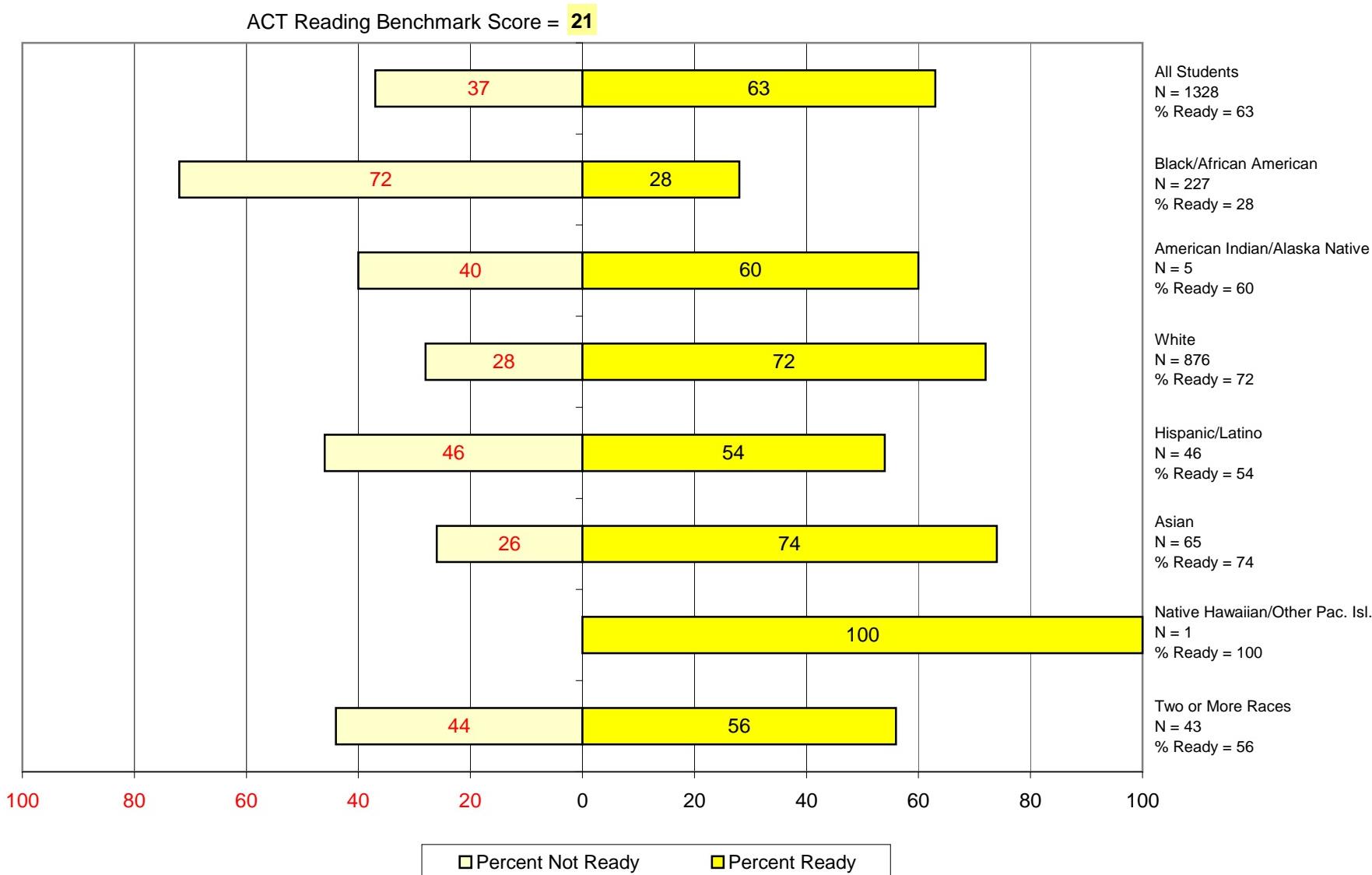
# Section III

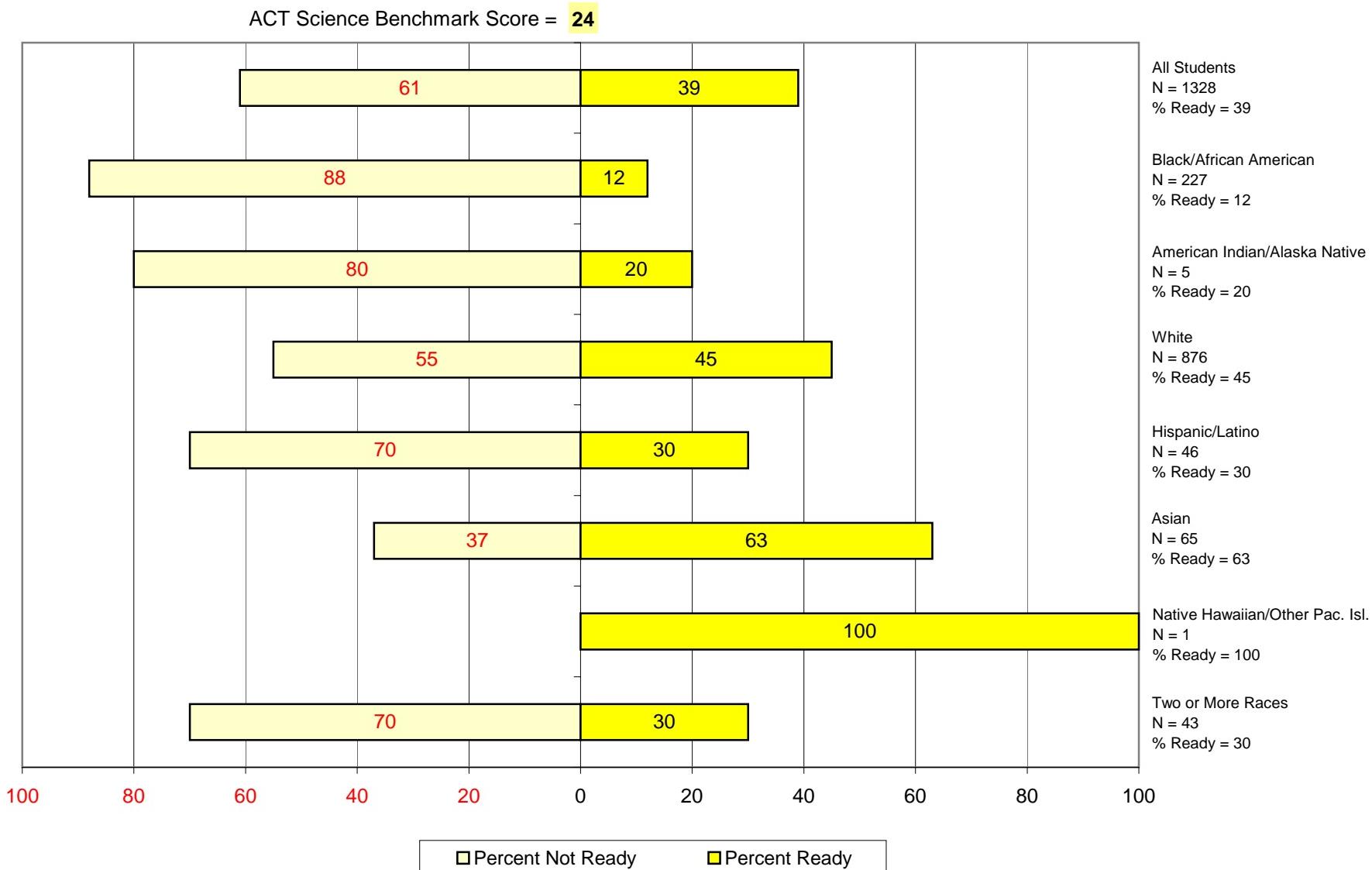
## College Readiness and the Impact of Course Rigor

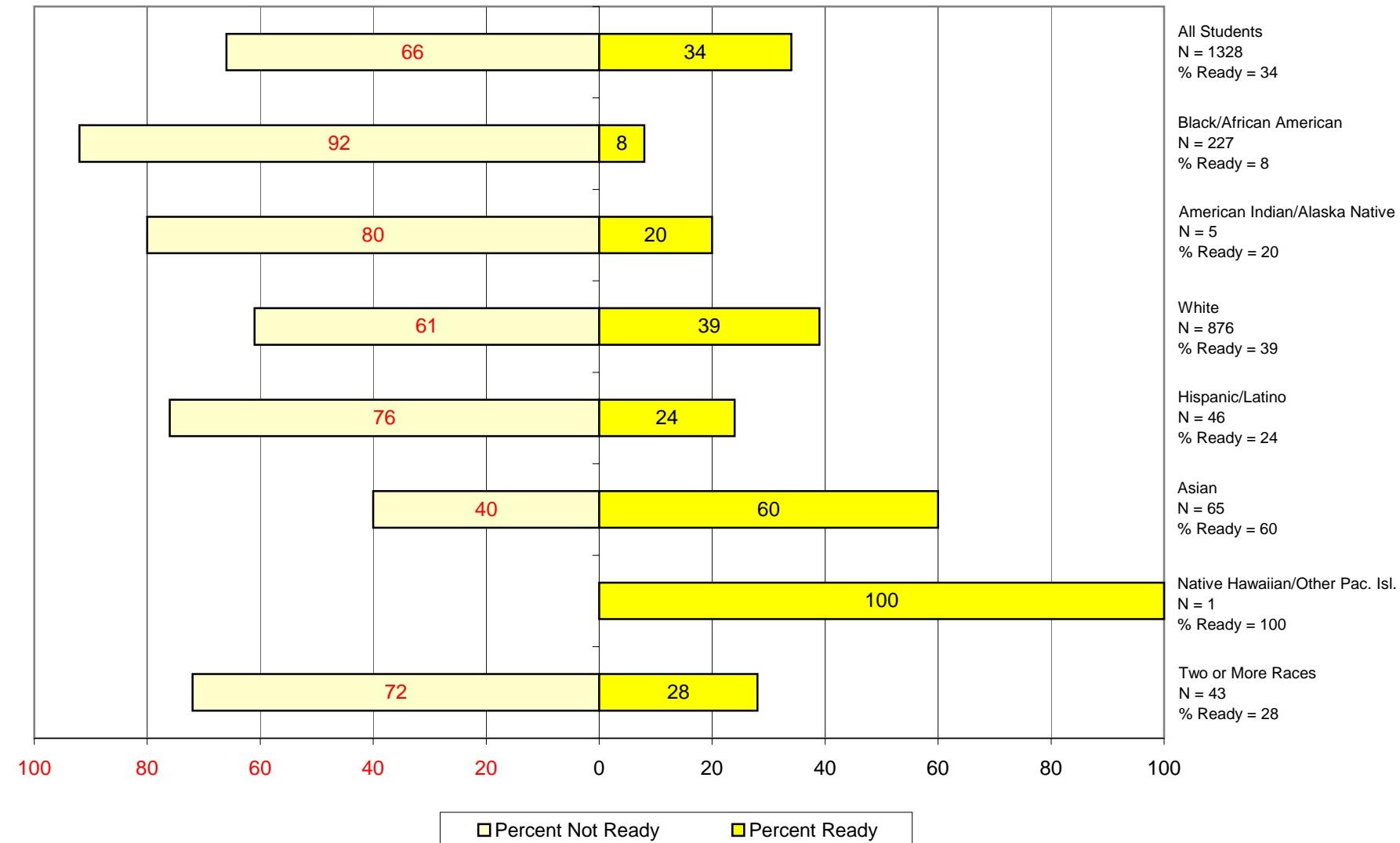
Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

**Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: ENGLISH**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: MATHEMATICS**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: READING**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: SCIENCE**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity<sup>1</sup>: ALL FOUR**<sup>1</sup>Refer to the section header on page 17 for a description of race/ethnicity changes.

**Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns**

Course Pattern	All Students					Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	
ENGLISH COURSE PATTERN													
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	261	20	23.6	1.8	105	18	22.9	-0.9	156	21	24.1	3.3	
Eng 9, Eng 10, Eng 11, Eng 12	1,030	78	22.0	0.2	449	79	22.0	-1.8	581	77	21.9	1.1	
Less than 4 years of English	15	1	21.8	-	5	1	23.8	-	10	1	20.8	-	
Zero years / no English courses reported	22	2	20.0	-	12	2	18.8	-	10	1	21.3	-	
MATHEMATICS COURSE PATTERN													
Alg 1, Alg 2, Geom, Trig, & Calc	143	11	24.6	6.9	60	11	25.2	7.6	83	11	24.2	6.4	
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	129	10	20.4	2.7	45	8	21.4	3.8	84	11	19.9	2.1	
Alg 1, Alg 2, Geom, & Trig	91	7	19.2	1.5	35	6	20.3	2.7	56	7	18.5	0.7	
Alg 1, Alg 2, Geom, & Other Adv Math	172	13	19.5	1.8	64	11	20.5	2.9	108	14	19.0	1.2	
Other comb of 4 or more years of Math	628	47	24.5	6.8	299	52	25.2	7.6	329	43	23.8	6.0	
Alg 1, Alg 2, & Geom	42	3	16.2	-1.5	15	3	17.6	0.0	27	4	15.4	-2.4	
Other comb of 3 or 3.5 years of Math	61	5	20.8	3.1	29	5	21.0	3.4	32	4	20.6	2.8	
Less than 3 years of Math	38	3	17.7	-	10	2	17.6	-	28	4	17.8	-	
Zero years / no Math courses reported	24	2	20.0	-	14	2	20.4	-	10	1	19.3	-	
SOCIAL SCIENCE COURSE PATTERN													
US Hist, World Hist, Am Gov, & Other Hist	62	5	23.8	0.3	33	6	23.2	-1.4	29	4	24.5	1.6	
Other comb of 4 or more years Social Science	611	46	22.8	-0.7	273	48	23.0	-1.6	338	45	22.6	-0.3	
US Hist, World Hist, & Am Gov	39	3	20.6	-2.9	21	4	20.5	-4.1	18	2	20.6	-2.3	
Other comb of 3 or 3.5 years of Social Science	379	29	23.2	-0.3	158	28	23.3	-1.3	221	29	23.2	0.3	
Less than 3 years of Social Science	215	16	23.5	-	74	13	24.6	-	141	19	22.9	-	
Zero years / no Social Science courses reported	22	2	20.8	-	12	2	21.3	-	10	1	20.2	-	
NATURAL SCIENCE COURSE PATTERN													
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	863	65	22.9	4.9	396	69	23.7	5.1	467	62	22.2	4.4	
Bio, Chem, Phys	138	10	23.9	5.9	62	11	25.4	6.8	76	10	22.6	4.8	
Gen Sci <sup>2</sup> , Bio, Chem	235	18	19.4	1.4	75	13	19.2	0.6	160	21	19.5	1.7	
Other comb of 3 years of Natural Science	19	1	20.1	2.1	9	2	21.1	2.5	10	1	19.1	1.3	
Less than 3 years of Natural Science	49	4	18.0	-	16	3	18.6	-	33	4	17.8	-	
Zero years / no Natural Science courses reported	24	2	19.9	-	13	2	20.1	-	11	1	19.6	-	

<sup>1</sup>Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

<sup>2</sup>Includes General, Physical and Earth Sciences.

**Table 3.2. College Readiness Percents by Common Course Patterns**

Course Pattern	N	State			N	National		
		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	261	20	23.6	82	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	1,030	78	22.0	75	1,178,400	71	20.5	67
Less than 4 years of English	15	1	21.8	60	64,748	4	16.5	41
Zero years / no English courses reported	22	2	20.0	55	42,707	3	16.5	40
MATHEMATICS COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	143	11	24.6	77	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	129	10	20.4	37	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	91	7	19.2	27	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	172	13	19.5	33	279,658	17	19.9	36
Other comb of 4 or more years of Math	628	47	24.5	74	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	42	3	16.2	12	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	61	5	20.8	44	82,509	5	19.9	35
Less than 3 years of Math	38	3	17.7	24	69,741	4	16.6	8
Zero years / no Math courses reported	24	2	20.0	29	45,508	3	18.2	22
SOCIAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	62	5	23.8	68	47,179	3	22.3	59
Other comb of 4 or more years Social Science	611	46	22.8	63	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	39	3	20.6	56	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	379	29	23.2	65	452,172	27	21.2	51
Less than 3 years of Social Science	215	16	23.5	63	149,266	9	19.7	40
Zero years / no Social Science courses reported	22	2	20.8	45	45,093	3	17.8	29
NATURAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	863	65	22.9	45	740,499	44	21.9	39
Bio, Chem, Phys	138	10	23.9	51	171,734	10	23.0	47
Gen Sci <sup>1</sup> , Bio, Chem	235	18	19.4	20	466,992	28	20.0	22
Other comb of 3 years of Natural Science	19	1	20.1	26	45,992	3	19.5	20
Less than 3 years of Natural Science	49	4	18.0	14	194,661	12	18.4	13
Zero years / no Natural Science courses reported	24	2	19.9	21	46,139	3	17.9	14

<sup>1</sup>Includes General, Physical and Earth Sciences.

# Section IV

# Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories.

Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

**Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans**

Planned Educational Major <sup>1</sup>	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>2</sup>	Percent <sup>3</sup>	Avg ACT Comp	N	Percent <sup>3</sup>	Avg ACT Comp	N	Percent <sup>3</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	13	1	21.5	0	0	.	12	1	21.3
Architecture	15	1	22.0	0	0	.	13	1	21.8
Area, Ethnic, & Multidisciplinary Studies	0	0	.	0	0	.	0	0	.
Arts: Visual & Performing	59	4	23.1	0	0	.	50	4	22.4
Business	120	9	21.6	2	20	26.0	100	9	21.1
Communications	48	4	22.7	2	20	17.5	44	4	22.6
Community, Family, & Personal Services	14	1	19.4	0	0	.	12	1	20.7
Computer Science & Mathematics	37	3	23.1	0	0	.	32	3	22.7
Education	59	4	21.4	1	10	11.0	54	5	21.4
Engineering	157	12	24.4	1	10	23.0	137	12	24.2
Engineering Technology & Drafting	8	1	18.4	0	0	.	7	1	19.1
English & Foreign Languages	16	1	24.1	0	0	.	14	1	23.6
Health Administration & Assisting	27	2	17.2	1	10	13.0	23	2	17.4
Health Sciences & Technologies	242	18	21.2	1	10	19.0	222	19	21.1
Philosophy, Religion, & Theology	10	1	22.1	1	10	21.0	9	1	22.2
Repair, Production, & Construction	1	0	23.0	0	0	.	1	0	23.0
Sciences: Biological & Physical	130	10	23.7	0	0	.	120	10	23.6
Social Sciences & Law	137	10	22.3	0	0	.	122	11	22.0
Undecided	210	16	24.1	1	10	21.0	155	14	23.6
No Response	25	2	21.1	0	0	.	18	2	20.7

<sup>1</sup>Refer to the section header on page 25 for a description of educational major changes.<sup>2</sup>2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.<sup>3</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic<sup>1</sup> Groups by Post-Secondary Educational Aspirations**

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	4	21.0	1	11.0	0	.	3	24.3	0	.
2-yr College Degree	6	18.5	0	.	0	.	4	19.8	0	.
Bachelors Degree	480	20.4	92	15.8	0	.	330	21.7	17	19.8
Graduate Study	309	23.4	38	18.0	2	22.0	229	24.2	7	22.6
Prof. Level Degree	356	23.8	74	20.4	2	21.5	198	24.9	17	21.8
Other	14	21.4	4	16.0	0	.	4	23.8	2	21.5
No Response	159	24.7	18	17.1	1	25.0	108	25.9	3	20.7

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	4	21.0	0	.	0	.	0	.	0	.
2-yr College Degree	6	18.5	0	.	0	.	1	13.0	1	19.0
Bachelors Degree	480	20.4	7	20.3	0	.	17	21.4	17	20.9
Graduate Study	309	23.4	11	25.8	0	.	10	23.1	12	23.6
Prof. Level Degree	356	23.8	32	27.1	1	26.0	14	21.6	18	23.8
Other	14	21.4	1	14.0	0	.	0	.	3	27.7
No Response	159	24.7	14	26.9	0	.	1	24.0	14	24.3

<sup>1</sup>Refer to the section header on page 25 for a description of race/ethnicity changes.

**Table 4.3. Students' Score Report Preferences at Time of Testing**

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF DELAWARE DELAWARE STATE UNIVERSITY DREXEL UNIVERSITY UNIVERSITY OF MARYLAND COLLEGE PARK PENN STATE-UNIVERSITY PARK CAMPUS	Delaware	313	148	165	1	4	19	35	25	14	3
	Delaware	52	22	30	12	44	31	13	0	0	0
	Pennsylvania	48	10	38	0	4	10	42	27	13	4
	Maryland	47	9	38	0	2	17	23	32	23	2
	Pennsylvania	37	8	29	3	5	14	30	27	22	0
TEMPLE UNIVERSITY JAMES MADISON UNIVERSITY NCAA ELIGIBILITY CENTER WEST CHESTER UNIVERSITY OF PENNSYLVANIA DELAWARE TECH & COMM COLL-STANTON/WILM	Pennsylvania	35	7	28	0	9	31	40	11	6	3
	Virginia	34	7	27	0	0	15	38	38	9	0
	Indiana	33	20	13	3	12	48	12	15	9	0
	Pennsylvania	33	8	25	0	6	36	36	21	0	0
	Delaware	32	7	25	0	16	41	34	6	3	0
UNIVERSITY OF PENNSYLVANIA TOWSON UNIVERSITY MORGAN STATE UNIVERSITY SALISBURY UNIVERSITY VIRGINIA TECH	Pennsylvania	31	10	21	0	0	6	23	23	39	10
	Maryland	28	4	24	0	7	25	36	25	7	0
	Maryland	23	6	17	22	48	17	13	0	0	0
	Maryland	23	4	19	0	4	26	52	13	4	0
	Virginia	23	3	20	0	0	4	17	61	17	0
HOWARD UNIVERSITY WILMINGTON COLLEGE YORK COLLEGE OF PENNSYLVANIA WEST VIRGINIA UNIVERSITY VILLANOVA UNIVERSITY	District of Columbia	22	8	14	0	36	23	32	5	5	0
	Delaware	22	2	20	14	23	32	27	5	0	0
	Pennsylvania	21	6	15	0	0	43	38	19	0	0
	West Virginia	20	5	15	0	5	35	40	15	5	0
	Pennsylvania	19	4	15	0	0	16	26	47	11	0
NEUMANN UNIVERSITY NEW YORK UNIVERSITY WESLEY COLLEGE BOSTON UNIVERSITY LIBERTY UNIVERSITY	Pennsylvania	17	3	14	0	35	29	24	12	0	0
	New York	17	7	10	0	12	18	29	29	6	6
	Delaware	15	1	14	7	27	47	13	7	0	0
	Massachusetts	14	4	10	0	0	7	14	43	29	7
	Virginia	14	4	10	7	0	7	36	50	0	0
UNIVERSITY OF VIRGINIA JOHNS HOPKINS UNIVERSITY THE NORTH CAROLINA STATE UNIV AT RALEIGH PRINCETON UNIVERSITY RUTGERS THE ST UNIV OF NEW JERSEY	Virginia	14	3	11	0	0	7	36	29	14	14
	Maryland	13	3	10	0	8	8	23	15	31	15
	North Carolina	13	4	9	0	0	23	38	23	15	0
	New Jersey	13	5	8	0	0	0	15	15	54	15
	New Jersey	13	2	11	0	15	15	31	31	8	0
All Other Institutions		1,115	285	830	2	8	22	28	21	16	3
Total		2,154	619	1,535	2	9	22	29	22	14	3

# Section V

# Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity<sup>1</sup> and Gender for students who took ACT Writing**

	N		English		Average ACT Scores		English/Writing Combined	
	State	National	State	National	State	National	State	National
<b>All Students</b>	<b>1,077</b>	<b>931,148</b>	<b>23.1</b>	<b>21.5</b>	<b>7.5</b>	<b>7.1</b>	<b>22.3</b>	<b>20.7</b>
Black/African American	154	113,247	18.1	16.6	6.8	6.2	18.0	16.4
American Indian/Alaska Native	5	5,233	23.2	17.8	7.2	6.5	22.2	17.5
White	732	518,974	24.0	23.2	7.6	7.2	23.0	22.1
Hispanic/Latino	34	150,249	22.1	18.5	7.1	6.8	21.4	18.3
Asian	61	53,381	25.6	23.7	8.1	7.6	24.7	22.8
Native Hawaiian/Other Pac. Isl.	1	2,851	23.0	19.9	9.0	7.1	24.0	19.6
Two or more races	33	32,346	22.8	21.9	7.3	7.1	21.9	21.1
Prefer not/No Response	57	54,867	23.2	21.8	7.5	7.1	22.4	21.0
Males	458	413,617	23.0	21.2	7.4	6.8	22.2	20.3
Females	619	515,745	23.1	21.7	7.5	7.2	22.4	21.1
Missing	0	1,786	.	16.8	.	6.3	.	16.6

<sup>1</sup>Refer to the section header on page 29 for a description of race/ethnicity changes.



